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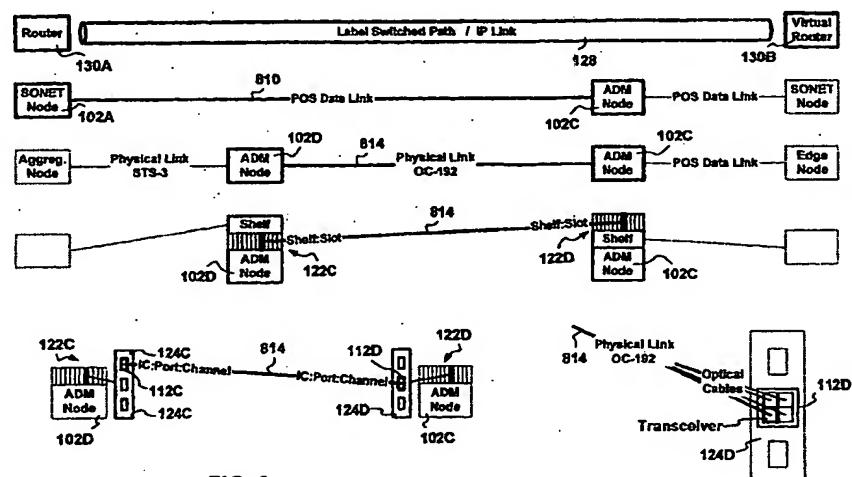
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#### (54) Management of OSI layer-3 data network entities

(57) An improved network management system and novel management solutions are provided for OSI Layer-3 data network managed entities such as data transport paths and routers are provided. The management solution provides for a concise and progressively detailed presentation of connectivity information related to OSI Layer-3 data network entities to expose OSI Layer-

2 and -1 provisioning equipment. Methods are provided for zeroing onto failed equipment using the progressively detailed presentation of connectivity information. Methods are further provided for interaction with OSI Layer-3 managed data transport entities to specify operating parameters. The advantages derived include an improved efficiency in the management, and troubleshooting thereof.



**FIG. 8**



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## EUROPEAN SEARCH REPORT

Application Number

EP 02 29 3094

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 115 393 A (ENGEL FERDINAND ET AL) 5 September 2000 (2000-09-05) * column 1, line 19 - line 20; figures 18,19 * * column 2, line 42 - line 62 * * column 25, line 41 - line 47 * * column 26, line 22 - line 29 * -----	1-12	H04L12/24
TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
H04L			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	9 October 2003	Bermudez, M.D.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background C : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 02 29 3094

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82